

IN THE CLAIMS

1. A two-piece golf ball comprising

a core having a compression in the range of about 75
PGA to about 89 PGA;

a cover having a Shore D hardness in the range of
about 42 Shore D to about 60 Shore D;

an outer surface divided into a plurality of polygonal
configurations, which include polar triangles; and,

a plurality of dimples arranged on the outer surface,
the plurality of dimples further comprising at least a
first set of dimples having a first diameter and a second
set of dimples having a second diameter that is different
than the first diameter, wherein the polar triangles only
contain dimples from one of the first or second set of
dimples.

20. A two-piece golf ball comprising:

a core having a compression in the range of about 68
PGA to about 78 PGA;

a cover having a Shore D hardness in the range of
about 42 Shore D to about 60 Shore D; and

an outer surface divided into a plurality of polygonal
configurations, which include triangles; and,

at least 392 dimples arranged on the outer surface, with a first pattern of dimples associated with each triangle having dimples of only one diameter, a second pattern of dimples associated with each triangle, wherein said dimples are essentially circular with each one of said dimples having a size defined by a diameter in the range of about 0.13 inches to about 0.15 inches, and a depth in the range of about 0.0025 inches to about 0.125 inches.

26. A two-piece golf ball comprising

a core having a compression in the range of about 75 PGA to about 82 PGA;

a cover having a Shore D hardness in the range of about 42 Shore D to about 60 Shore D;

an outer surface divided into a plurality of polygonal configurations, which include polar triangles; and,

a plurality of dimples arranged on the outer surface, the plurality of dimples further comprising at least a first set of dimples having a first diameter and a second set of dimples having a second diameter that is different than the first diameter, wherein the polar triangles only contain dimples from one of the first or second set of dimples.